

## Program Introductory Page

### Program 1) To-Do App Using Node and Express

Class – CSCI 301 (Scripting)

Grade Received – 90/100

Description: The project built was a simple to-do, list style program using JavaScript, Node.js, Express.js, and MongoDB. The finished application supported viewing a list of tasks, adding a new task, updating an existing task, and deleting a task. The application was built using Node.js and Express.js and was hosted on Heroku. The data was/is stored in a MongoDB NoSQL database hosted on mLab.

### Program 2) Basic HTML Parsing and Crawling

Class – CSCI 315 (Data Structures)

Grade Received – 100/100

Description: The project built was a simple HTML parser that determines if HTML tags in a file are balanced and finds the number of webpages you can visit from a certain HTML page. We used C++ to code the project and it was compiled through a basic compiler and makefile.

### Program 3) Compute GPA From File

Class – CSCI 325 (OOP)

Grade Received – 100/100

Description: We didn't do any MAJOR projects in my OOP class (Fall 2017), but this was the most interesting one we did. It is a Java program that takes a text file that has grades listed as input and outputs the GPA for the student(s) in question. It was written in Java and since our class used NetBeans, we used the compiler installed in NetBeans and it worked smoothly through there.

### Program 4) Master of CS

Class - CSCI 332 (Networking)

Grade Received 47/100\*

Description: The project built was a video game of sorts that connected multiple users across a network and allowed them to "battle" on a field and communicate with each other. We used Visual Basic inside of Visual Studio Code to code this project and ran it through Visual Studio, however there was an option to create an execution file that automatically sets up the game on your specific computer.

\*Note: The reason I got so low of a grade was my failing to connect a network node earlier in the project and that messed up stuff further down the line that was dependent on this. It doesn't seem logical to put a less than admirable grade on my senior portfolio, and I wish I could change this, however, it is the project for this class that I have access to. CSCI 332 for Fall of 2017 had two major projects, as well as a bunch of tiny labs, one of which is found in my presentations. The first project was to build a website in HTML inside of Visual Studio Code and I did exceptionally well on it (86/100) and I thought that I had saved it accurately, but when I went to decompress the zip file it was saved in, it was corrupted. The Master of CS saved correctly and, with that being the only other project for this class, I was stuck with presenting this one.